

#13

Sheet 1 of 3

Form PTO-1449		
ATTY DOCKET NO. 20-03	SERIAL NO. 09/937,837	FILING DATE January 7, 2002
APPLICANT Dalby		GROUP 1636

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## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
<i>DS</i>	6,495,518	12/17/02	Hawiger et al.	514	11	
	<del>6,287,817</del>	<del>09/11/01</del>	<del>Davis et al.</del>	<del>435</del>	<del>69.7</del>	
	<del>6,043,339</del>	<del>03/28/00</del>	<del>Lin et al.</del>	<del>530</del>	<del>300</del>	
	<del>6,022,950</del>	<del>02/08/00</del>	<del>Murphy</del>	<del>530</del>	<del>350</del>	
<i>DS</i>	6,017,735	01/25/00	O'Hare et al.	435	69.7	
<i>DS</i>	5,807,746	09/15/98	Lin et al.	435	375	
	<del>5,328,984</del>	<del>07/12/94</del>	<del>Pastan et al.</del>	<del>424</del>	<del>134.1</del>	
<i>DS</i>	4,959,217	09/25/90	Sanders et al.	424	473	
<i>DS</i>	2002/0106378	08/08/02	O'Hare et al.	424	186.1	
<i>DS</i>	2002/0039765	04/04/02	O'Hare et al.	435	69.7	
	<del>2002/0062489</del>	<del>05/23/02</del>	<del>Silver et al.</del>	<del>800</del>	<del>8</del>	

Documents not considered were previously made of record

## FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation Yes/No
	<del>WO01/49832</del>	<del>07/12/01</del>	<del>PCT</del>	<del>C12N 9/00</del>		
	<del>WO99/24559</del>	<del>05/20/99</del>	<del>PCT</del>	<del>C12N 15/00</del>		
	<del>WO99/11809</del>	<del>03/11/99</del>	<del>PCT</del>	<del>C12N 15/87</del>		
	<del>WO99/05302</del>	<del>02/04/99</del>	<del>PCT</del>	<del>C12N 15/87</del>		
	<del>WO98/32866</del>	<del>07/30/98</del>	<del>PCT</del>	<del>C12N 15/62</del>		
	<del>WO97/05265</del>	<del>02/13/97</del>	<del>PCT</del>	<del>C12N 15/87</del>		
<i>DS</i>	WO92/15694	09/17/92	PCT	C12N 15/85		

## OTHER PRIOR ART (including Author, Title, Date, Pertinent Pages, etc.)

<i>DS</i>		Abremski, K. et al. (1983), "Studies on the Properties of P1 Site-Specific Recombination: Evidence for Topologically Unlinked Products following Recombination," Cell 32:1301-1311
<i>DS</i>		Aints, A. et al. (Nov 1999), "Intercellular Spread of GFP-VP22," J. Gene Med. 1:275-279
<i>DS</i>		Bottger, M. et al. (1990), "Transfection by DNA-nuclear protein HMG1 complexes: Raising of efficiency and role of DNA topology," Arch. Geschwulstforsch. 60:265-270
<i>DS</i>		Cheng, S. et al. (June 1994), "Effective amplification of long targets from cloned inserts and human genomic DNA," Proc. Natl. Acad. Sci. USA 91:5695-5699

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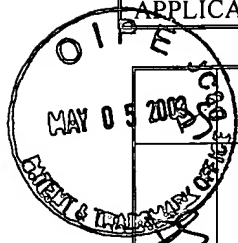
*DS*

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<input checked="" type="checkbox"/>	Derer et al. (1999), "Direct protein transfer to terminally differentiated muscle cells," J. Mol. Medicine <b>77</b> :609-613 (Abstract Only)
<input checked="" type="checkbox"/>	Derossi, D. et al. (1994), "The Third Helix of the Antennapedia Homeodomain Translocates through Biological Membranes," J. Biol. Chem. <b>269</b> (14):10444-10450
<input checked="" type="checkbox"/>	Derossi, D. et al. (1996), "Cell Internalization of the Third Helix of the Antennapedia Homeodomain is Receptor-independent," J. Biol. Chem. <b>271</b> (30):18188-18193
<input checked="" type="checkbox"/>	Dilber, M.S. et al. (1999), "Intercellular delivery of thymidine kinase prodrug activating enzyme by the herpes simplex virus protein, VP22," Gene Therapy <b>6</b> :12-21
<input checked="" type="checkbox"/>	Elliott, G. and O'Hare, P. (Aug 1998), "Herpes Simplex Virus Type 1 Tegument Protein VP22 Induces the Stabilization and Hyperacetylation of Microtubules," J. Virology <b>72</b> (8):6448-6455
<input checked="" type="checkbox"/>	Elliott, G. and O'Hare, P. (1997), "Intercellular Trafficking and Protein Delivery by a Herpesvirus Structural Protein," Cell <b>88</b> :223-233
<input checked="" type="checkbox"/>	Fischer, U. et al. (1995), "The HIV-1 Rev Activation Domain is a Nuclear Export Signal That Accesses an Export Pathway Used by Specific Cellular RNAs," Cell <b>82</b> :475-483
<input checked="" type="checkbox"/>	Frick, I.-M. et al. (May 2002), "Uptake and intracellular transportation of a bacterial surface protein in lymphoid cells," Mol. Microbiol. <b>44</b> (4):917-934
<input checked="" type="checkbox"/>	Guo, F. et al. (Sep 1997), "Structure of Cre recombinase complexed with DNA in a site-specific recombination synapse," Nature <b>389</b> :40-46
<input checked="" type="checkbox"/>	Hall, H. et al. (1996), "Inhibition of FGF-stimulated phosphatidylinositol hydrolysis and neurite outgrowth by a cell-membrane permeable phosphopeptide," Curr. Biol. <b>6</b> (5):580-587
<input checked="" type="checkbox"/>	Hawiger, J. (1999), "Noninvasive intracellular delivery of functional peptides and proteins," Curr. Opinion in Chem. Biol. <b>3</b> :89-94
<input checked="" type="checkbox"/>	Hoess, R.H. et al. (1982), "P1 site-specific recombination: Nucleotide sequence of the recombining sites," Proc. Natl. Acad. Sci. USA <b>79</b> :3398-3402
<input checked="" type="checkbox"/>	Le, Y. et al. (1999), "Nuclear targeting determinants of the phage P1 Cre DNA recombinase," Nucl. Acids Res. <b>27</b> (24):4703-4709
<input checked="" type="checkbox"/>	Morham, S.G. and Shuman, S. (1992), "Covalent and Noncovalent DNA Binding by Mutants of Vaccinia DNA Topoisomerase I," J. Biol. Chem. <b>267</b> (22):15984-15992
<input checked="" type="checkbox"/>	Perez, F. et al. (1994), "Rab3A and Rab3B Carboxy-Terminal Peptides Are Both Potent and Specific Inhibitors of Prolactin Release by Rat Cultured Anterior Pituitary Cells," Mol. Endocrinol. <b>8</b> (9):1278-1287
<input checked="" type="checkbox"/>	Perez, F. et al. (1992), "Antennapedia homeobox as a signal for the cellular internalization and nuclear addressing of a small exogenous peptide," J. Cell Sci. <b>102</b> :717-722

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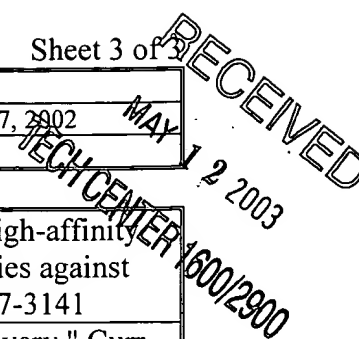
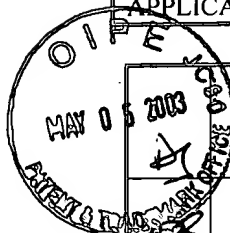
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		Richardson, J.H. et al. (Apr 1995), "Phenotypic knockout of the high-affinity human interleukin 2 receptor by intracellular single-chain antibodies against the $\alpha$ subunit of the receptor," Proc. Natl. Acad. Sci. USA <b>92</b> :3137-3141
		Schwartz, J. and Zhang, S. (2000), "Peptide-mediated cellular delivery," Curr. Opinion Mol. Therapeutics <b>2</b> (2):162-167
AS		Schwarze, S.R. and Dowdy, S.F. (Feb 2000), "In vivo protein transduction: intracellular delivery of biologically active proteins, compounds and DNA," TiPS <b>21</b> :45-48
AS		Schwarze, S.R. et al. (Jul 2000), "Protein transduction: unrestricted delivery into all cells?" Trends Cell Biol. <b>10</b> :290-295
AS		Scimienti, C.R. et al. (2001), "Directed evolution of a recombinase for improved genomic integration at a native human sequence," Nucl. Acids Res. <b>29</b> (24):5044-5051
AS		Shuman, S. and Moss, B. (1987), "Identification of a vaccinia virus gene encoding a type I DNA topoisomerase," Proc. Natl. Acad. Sci. USA <b>84</b> :7478-7482
AS		Troy, C.M. et al. (1996), "Downregulation of Cu/Zn Superoxide Dismutase Leads to Cell Death via the Nitric Oxide-Peroxy-nitrite Pathway," J. Neurosci. <b>16</b> (1):253-161
AS		Wang et al. (1997), "Positive and negative regulation of gene expression in eukaryotic cells with an inducible transcriptional regulator," Gene Therapy <b>4</b> :432-441
AS		Wilke, M. et al. (1996), "Efficacy of a peptide-based gene delivery system depends on mitotic activity," Gene Therapy <b>3</b> :1133-1142
AS		Wybranietz, W.A. (Nov 1999), "Quantification of VP22-GFP Spread by Direct Fluorescence in 15 Commonly Used Cell Lines," J. Gene Med. <b>1</b> :265-274
AS		Zabner, J. et al. (1995), "Cellular and Molecular Barriers to Gene Transfer by a Cationic Lipid," J. Biol. Chem. <b>270</b> (32):18997-19007

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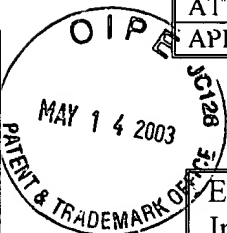
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DS			Derer, W. (1999), "Direct protein transfer to terminally differentiated muscle cells," J. Mol. Med. 77:609-613

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